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July 30, 2002  
Date

**Att. Dkt. No. - REG 203B-US**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**Applicants:** Neil Stahl, et al.  
**U.S. Serial No.:** 09/787,835 **Examiner:** Unknown  
**Int'l File No.:** PCT/US99/22045 **Group Art Unit:** Unknown  
**Int'l Filing Date:** September 22, 1999  
**Title:** RECEPTOR BASED ANTAGONISTS, AND METHODS OF MAKING AND USING

July 30, 2002

Commissioner of Patents  
U.S. Patent and Trademark Office  
Washington, DC 20231

SIR:

**AMENDMENT AND RESPONSE TO MAY 30, 2002, NOTIFICATION OF  
MISSING REQUIREMENTS UNDER 35 USC 371 IN THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)**

Pursuant to a Notification of Missing Requirements Under 35 U.S.C. 371 in the United States Designated/Elected Office (DO/EO/US) issued on May 30, 2002 ("Notification"), in connection with the above-identified application, Applicants submit herewith as Exhibit A: copy of May 30, 2002, Notification.

Prior to examination of the application on the merits, please amend the specification as follows:

Please replace the paragraph starting on page 6, line 25, with the following:

FIGURES 4A-4B (SEQ ID NO: 7). The amino acid sequence of human gp130-Fc-His6 (SEQ ID NO: 7). Amino acids 1 to 619 are from human gp130 (Hibi et al., Cell 63:1149-1157 (1990). Note that amino acid number 2 has been changed from a Leu to a Val in order to accommodate a Kozak sequence in the coding DNA sequence. The signal peptide of gp130-Fc-His6 has been italicized (amino acids 1 to 22). The Ser-Gly bridge is shown in bold type (amino acids 620, 621). Amino acids 662 to 853 are from the Fc domain of human IgG1 (Lewis, et al., J. Immunol. 151:2829-2838 (1993). (+) mark the two cysteines (amino acids number 632 and 635) of the IgG hinge preceding the Fc that form the inter-chain disulfide bridges that link two Fc domains. The hexahistidine tag is shown in bold/italic type (amino acids 854 to 859). (•) shows the position of the STOP codon.

Please replace the paragraph starting on page 7, line 7, through page 8, line 5, with the following:

FIGURE 5 (SEQ ID NO: 8). The amino acid sequence of human IL-6R $\alpha$ -Fc (SEQ ID NO: 8). Key: Amino acids 1 to 358 are from human IL-6R $\alpha$  (Yamasaki, et al., Science 241:825-828 (1988). Note that amino acid number 2 has been changed from a Leu to a Val in order to accommodate a Kozak sequence in the coding DNA sequence. The signal peptide of IL-6R $\alpha$ -Fc has been italicized (amino acids 1 to 19). The Ala-Gly bridge is shown in bold type (amino acids 359, 360). Amino acids 361